CITY OF KIRKLAND

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DEPARTMENT OF PUBLIC WORKS PRE-APPROVED PLANS POLICY

Policy R-34B: ON-STREET PARKING IMPACT STUDY

General - The City of Kirkland requires adequate parking to be provided on-site for all land uses. The Kirkland Zoning Code specifies parking requirements for many uses. The Planning Department can help an applicant determine their use(s) and parking requirements. For a modification to a decrease in the required number of spaces may be granted if the number of spaces proposed is documented by an adequate and thorough parking demand and on-street parking impact studies to be sufficient to fully serve the use. The study shall be prepared by a licensed transportation engineer or other qualified professional and shall analyze the operational characteristics of the proposed use which justify a parking reduction. The scope of the study shall be proposed by the applicant's transportation engineer and approved by the City Transportation Engineer. It is recommended that the applicant's engineer contact the City Transportation Engineer to determine the scope of the parking study.

I. Define Study Area

- A. Maximum of 800 feet (2-1/2 blocks) walking distance
- B. Minimum of 200 feet from the project site (one block distance)
- C. Consider the constraints of major arterials and geographic boundaries

II. Map Legal Parking Supply by Block Face

A. Use techniques shown in Sample Data Sheet for measuring legal parking supply.

III. Define Study Time (exclude holiday week)

- A. The parking study should occur between 6AM and 6PM or as defined by the City Transportation Engineer. The scope and study period must be approved by the City Transportation Engineer. Typical study scope:
 - a. 3 consecutive days minimum, 5 days preferred (same week, non-holiday week)

Tues, Wed & Thurs or Mon to Friday

- b. Typical times: 6AM, 7AM, 8AM, 9AM, 11AM, 1PM, 4PM, 5PM & 6PM or as required by the City Transportation Engineer (one sweep each hour)
- c. For special use with weekend impact, collect parking data for 3 consecutive weekends (Saturday and Sunday)

IV. Document Existing Conditions

- A. Record the number of parked vehicles by block face and time
- B. Calculate the parking utilization by block face for existing conditions

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(# of vehicles parked) x 100 = % Parking Utilization
(# of legal parking supply)
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V. Document Cumulative Project Impact

- A. Estimate the average and peak parking demand of project, using acceptable source (source must be approved by the City Transportation Engineer). The demand should include parking needs of tenants/employees and guests. Empirical parking data should be provided instead of theoretical estimation.
- B. Estimate overflow parking for the proposed project (estimated parking demand minus the parking supply).
- C. Identify any other proposed developments in the vicinity that would impact the on-street parking supply (the City Transportation Engineer will provide the information).
- D. Calculate the future average and peak parking utilization rates for the study area.

VI. Report Preparation

- A. Document all assumptions.
- B. Provide all backup data including count sheets, maps and any relevant data.
- C. Identify the block faces for the on-street parking data on a map showing the number of parking available.
- D. Provide the parking supply and utilization for each block face.

- E. Summarize the results/impacts.
- F. Proposed mitigation if applicable.

VII. Submit one hard copy and an electronic copy of the parking analysis report and all backup data.

VIII. Sample Data Sheet.

